Cloud AutoML Vision Object Detection

Base64 Encoding

You can provide image data to the AutoML API by sending the image data as base64-encoded text.

Most development environments contain a native "base64" utility to encode a binary image into ASCII text data. To encode an image file:

LINUX MAC OSX WINDOWS MORE

```
$ base64 input.jpg > output.txt
```

You can then use this output image data natively within the JSON request:

```
{
  "payload": {
        "image": {
            "imageBytes": "/9j/4QAYRXhpZgAA...base64-encoded-image...9tAVx/zDQDlGxn/
        }
  },
  "params": {
    string: string,
    ...
  }
}
```

Each programming language has its own way of base64 encoding image files:

PYTHON NODE.JS JAVA

In Python, you can base64 encode image files as follows:

```
# Import the base64 encoding library.
import base64

# Pass the image data to an encoding function.
def encode_image(image):
  image_content = image.read()
  return base64.b64encode(image_content)
```

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